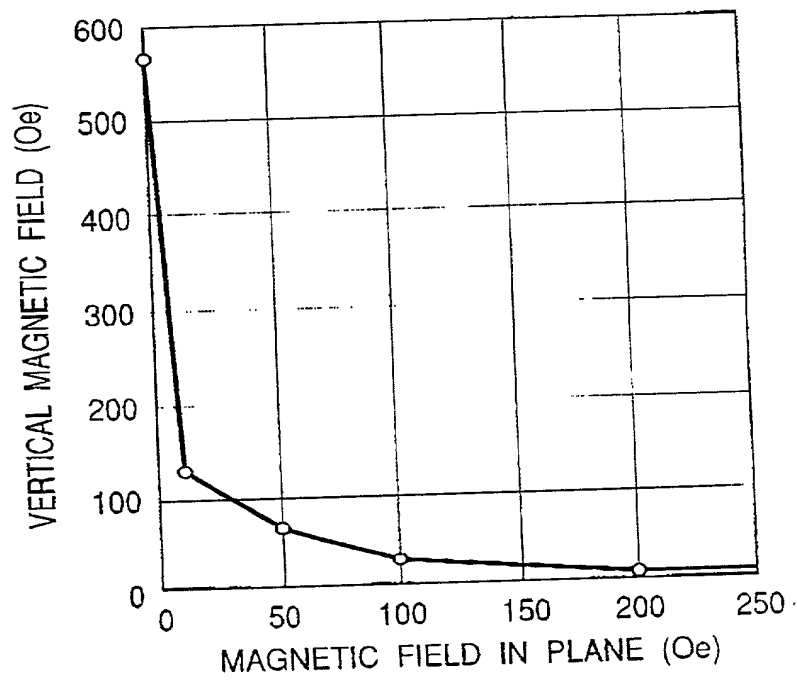
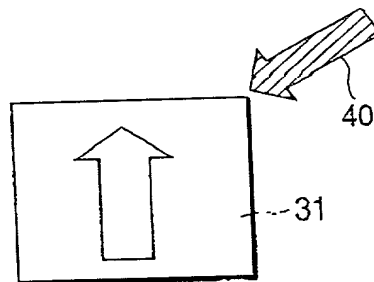
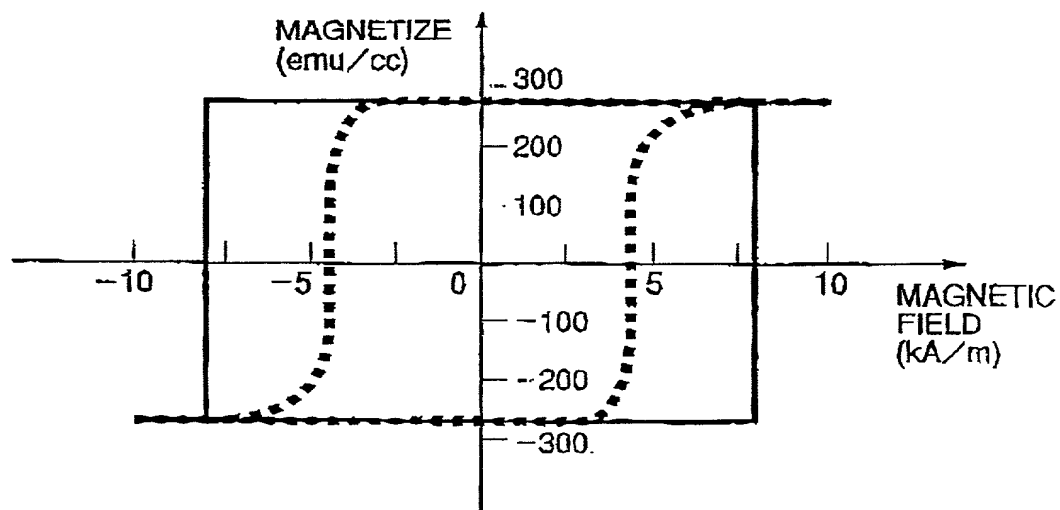


**FIG. 2**

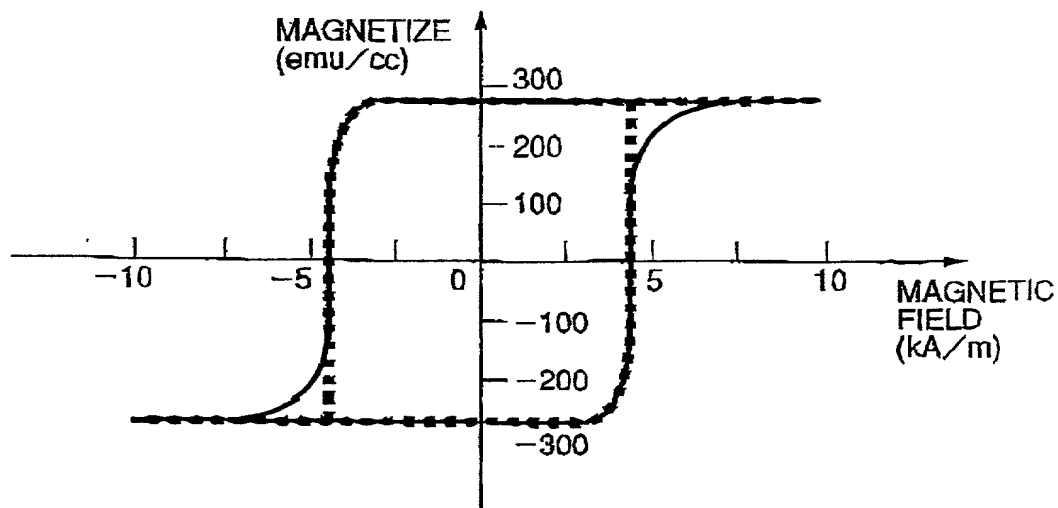


**FIG. 3**

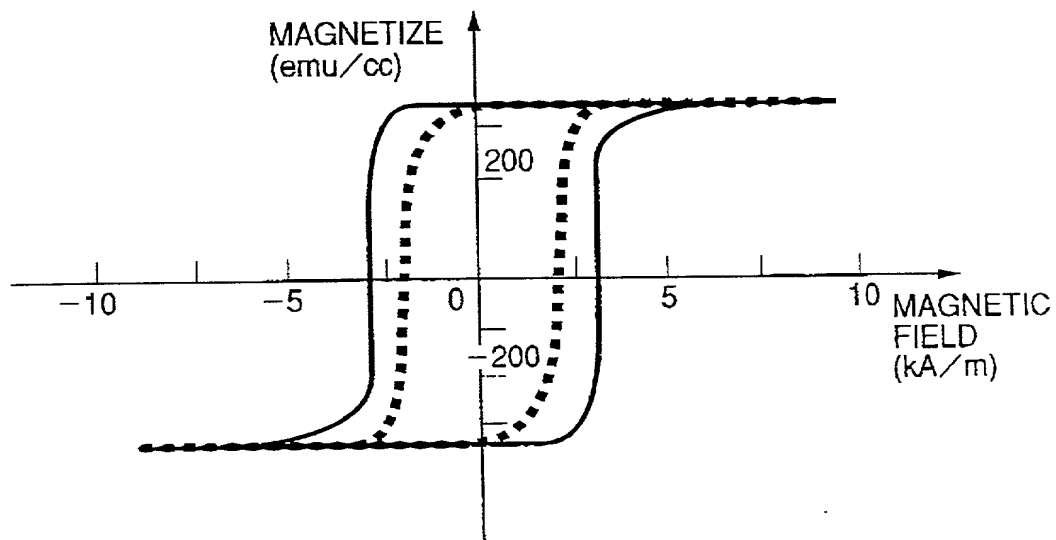


**FIG. 4**

FILM STRUCTURE:  
Si/Gd<sub>17</sub>Fe<sub>83</sub>(30nm)/Pt(2nm)

**FIG. 5**

FILM STRUCTURE: (SAME AS FIG. 4)  
Si/Gd<sub>17</sub>Fe<sub>83</sub>(30nm)/Pt(2nm)

**FIG. 6**

FILM STRUCTURE: (SAME AS FIG. 4)  
 Si/Gd<sub>18</sub>Fe<sub>82</sub>(30nm)/Fe(1nm)/Pt(2nm)

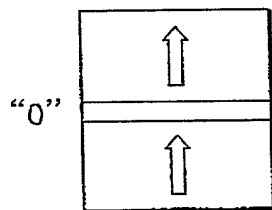
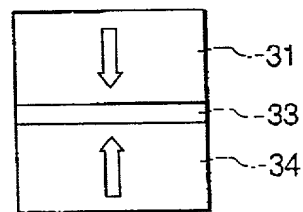
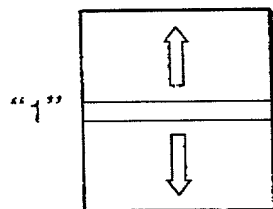
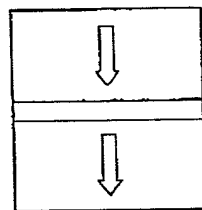
**FIG. 7A****FIG. 7B****FIG. 7C****FIG. 7D**

FIG. 8

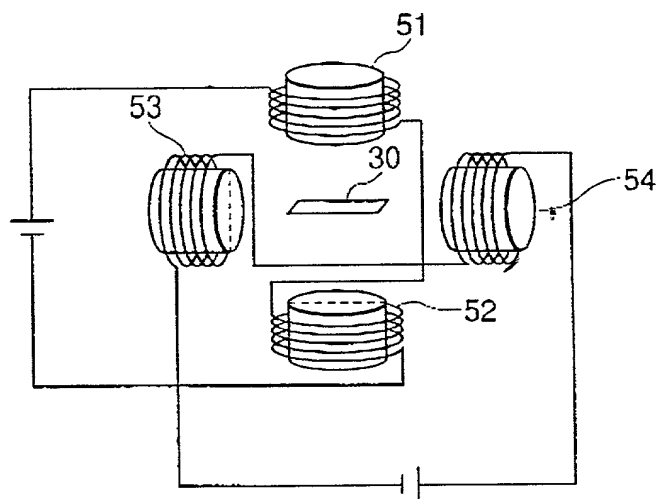
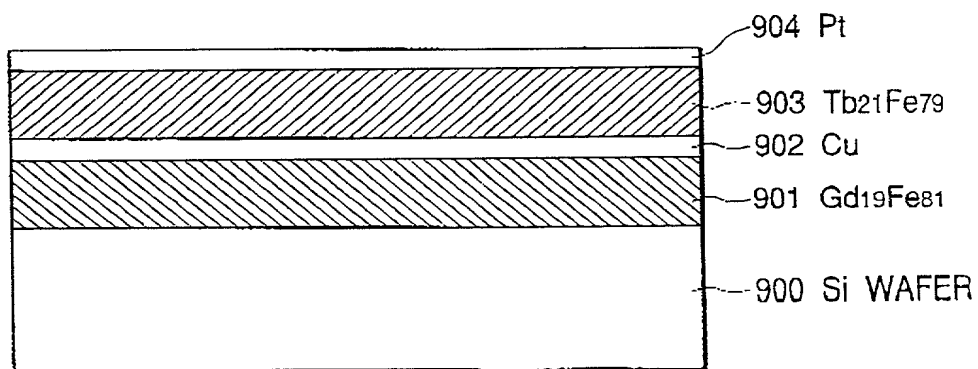


FIG. 9



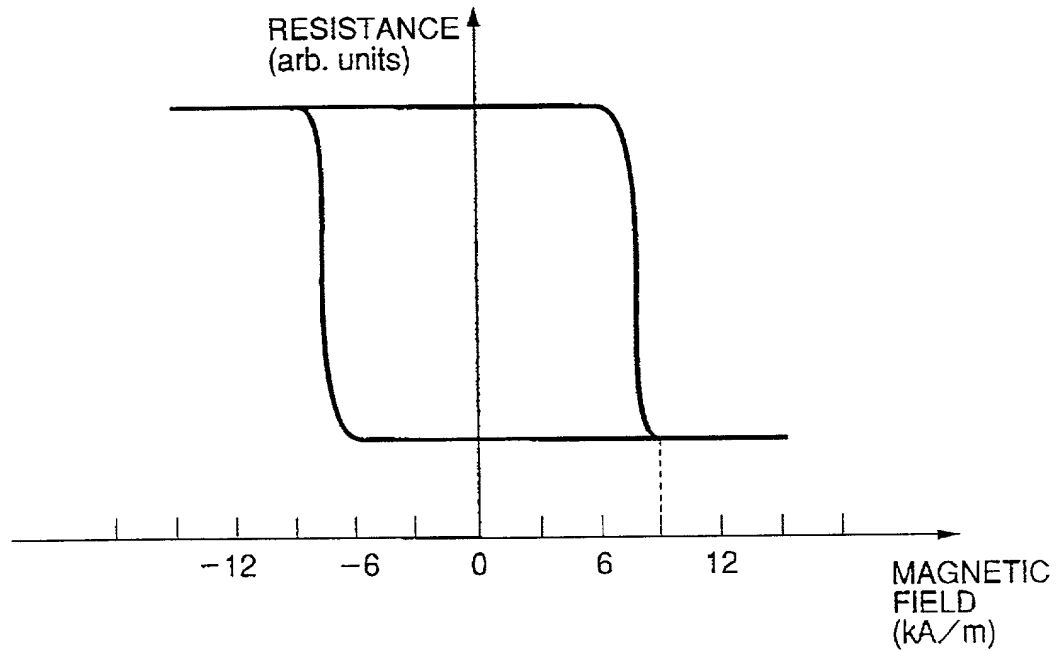
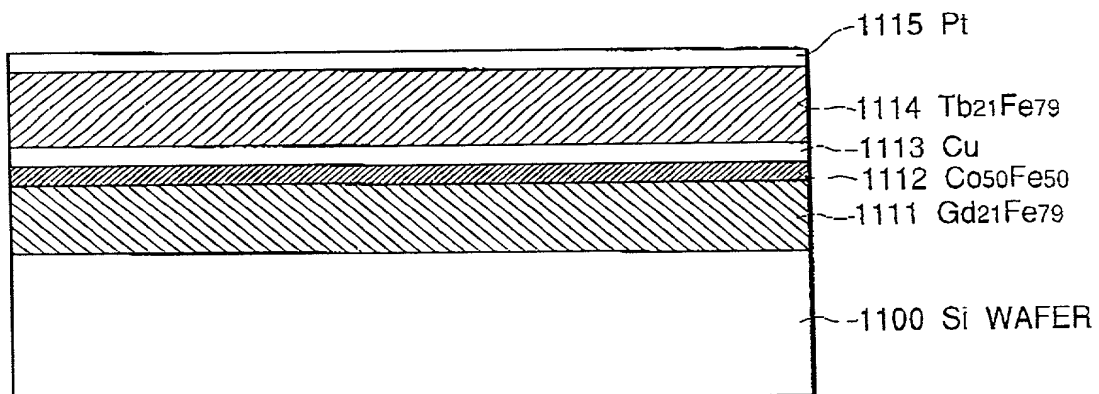
*FIG. 10**FIG. 11*

FIG. 12

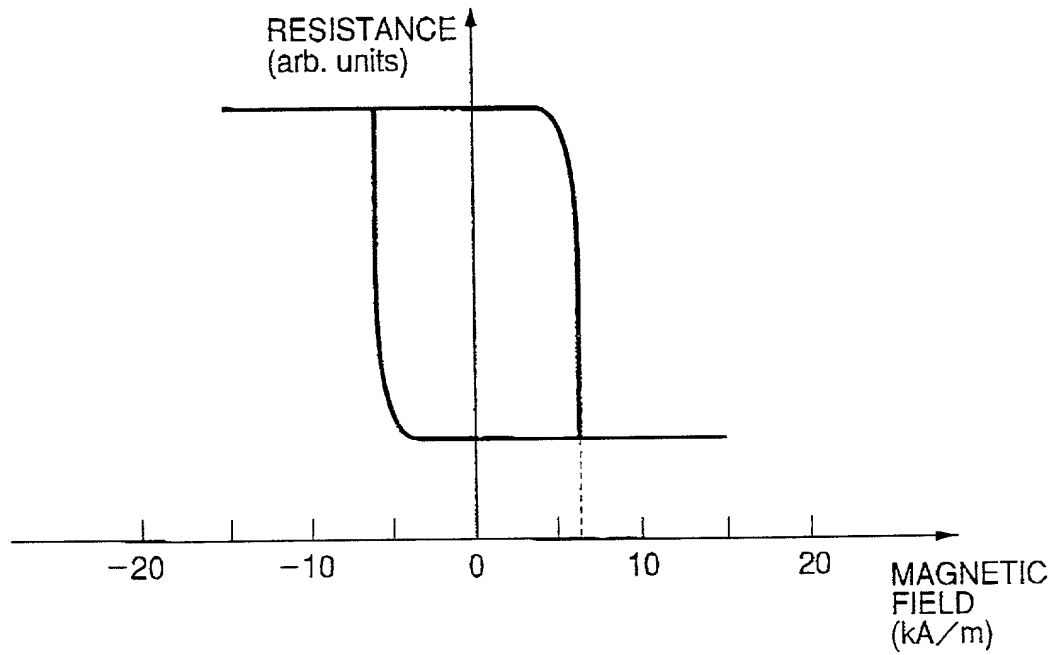


FIG. 13

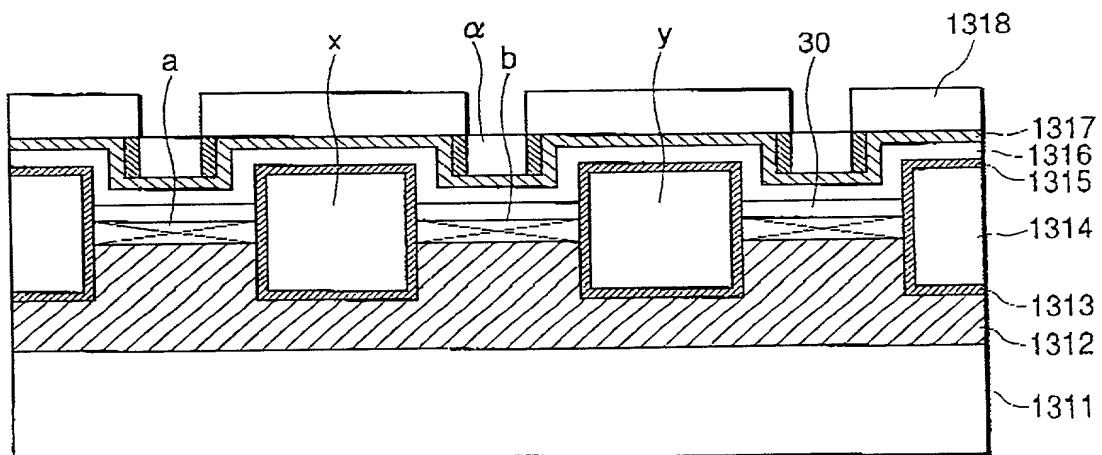


FIG. 14

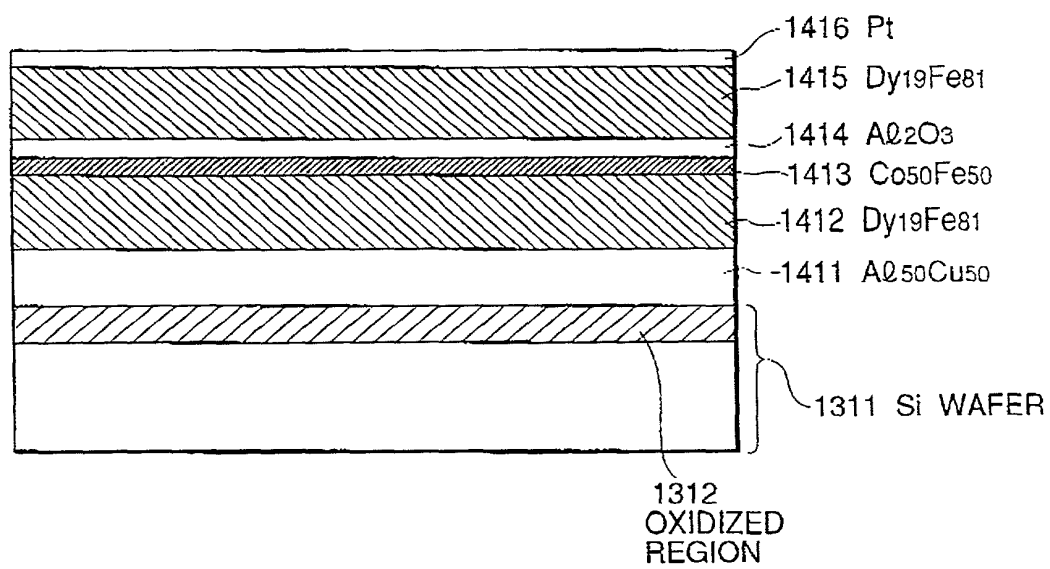


FIG. 15

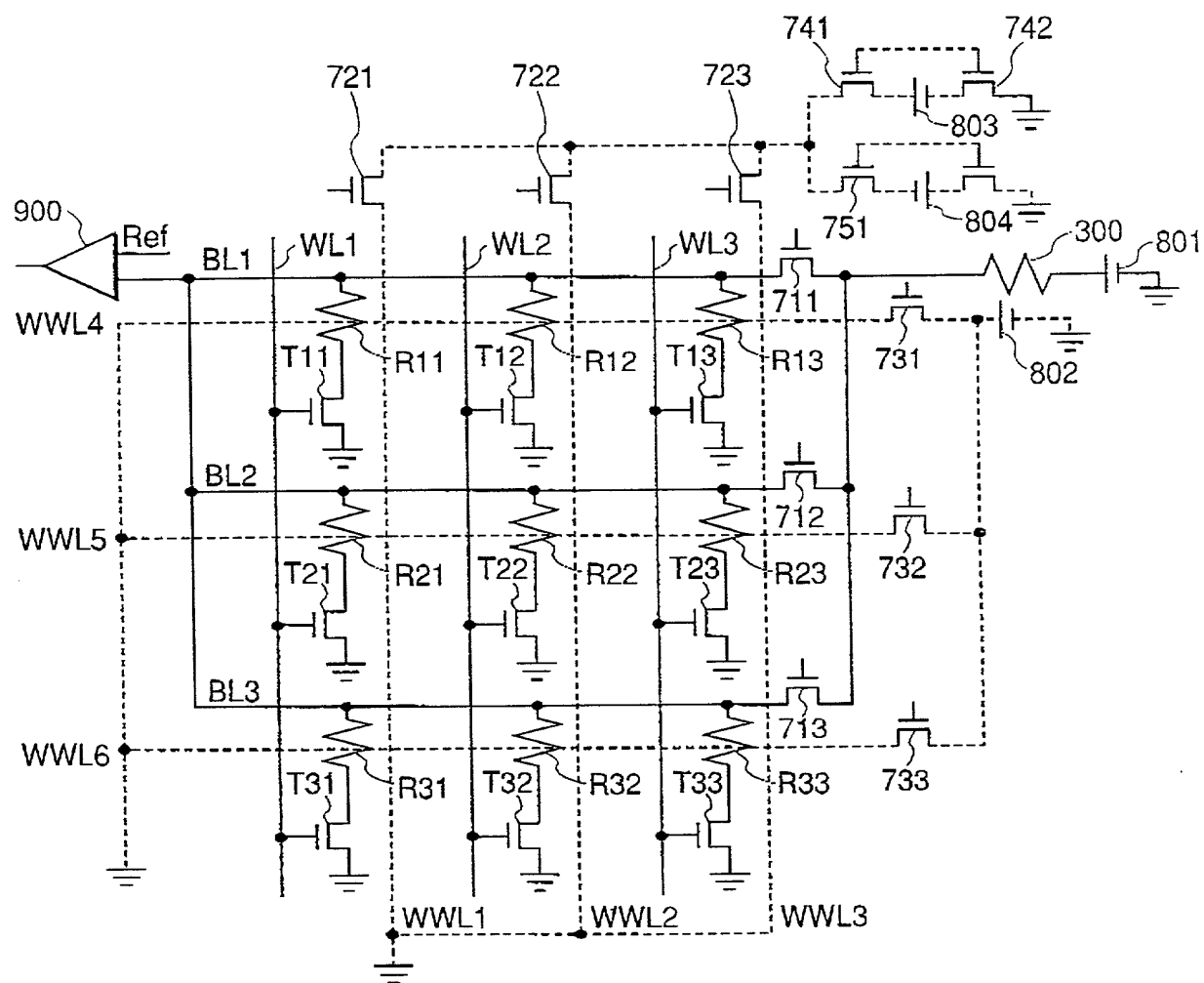




FIG. 16

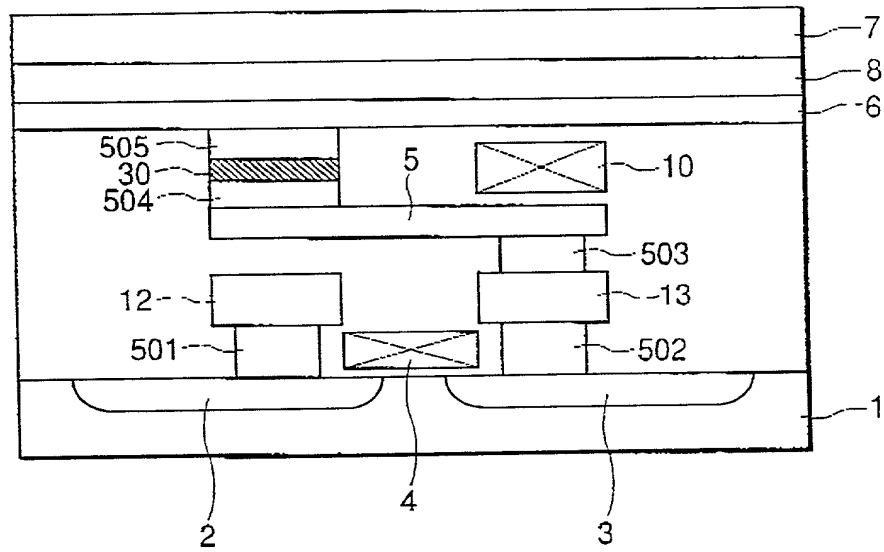


FIG. 17

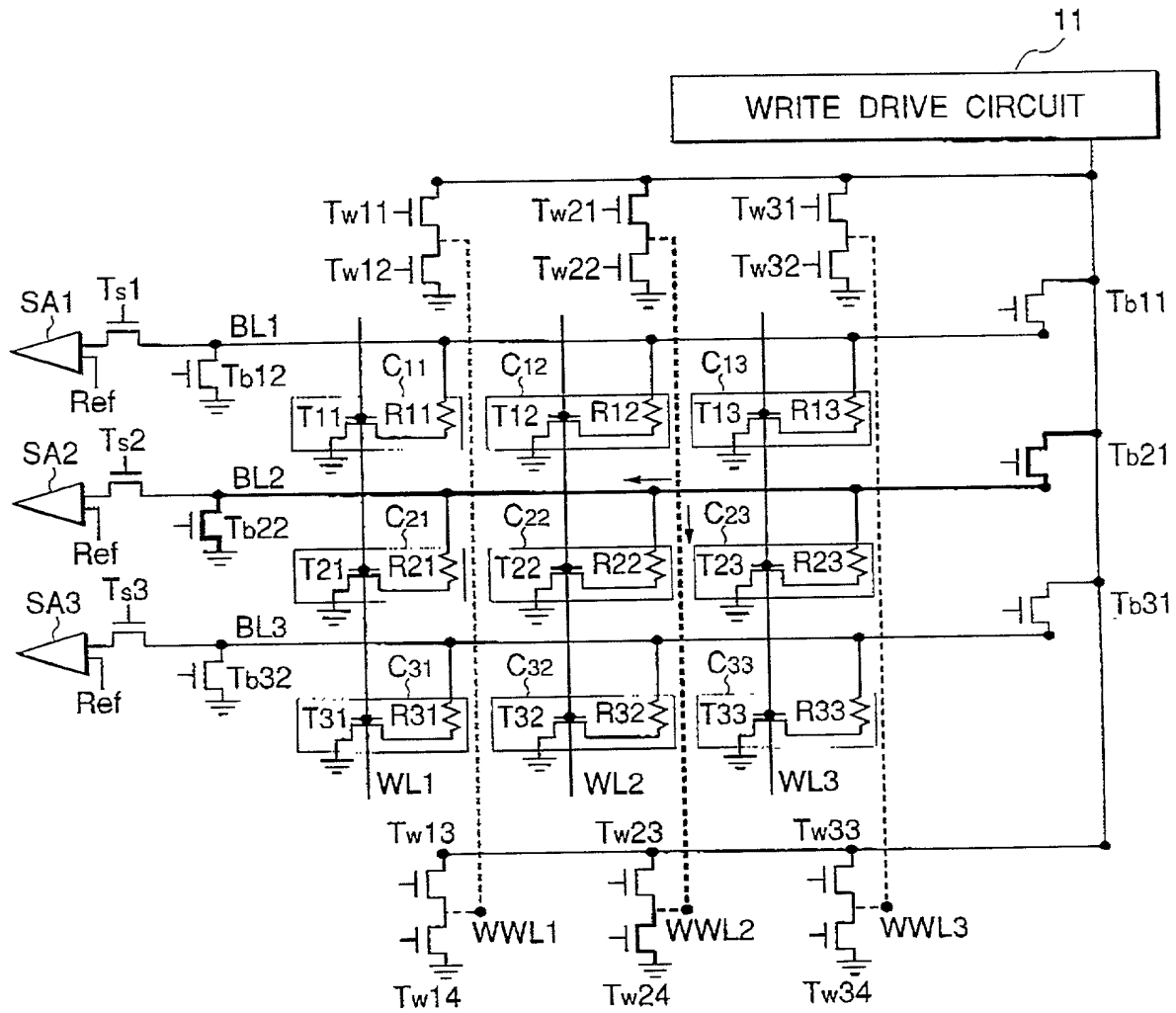
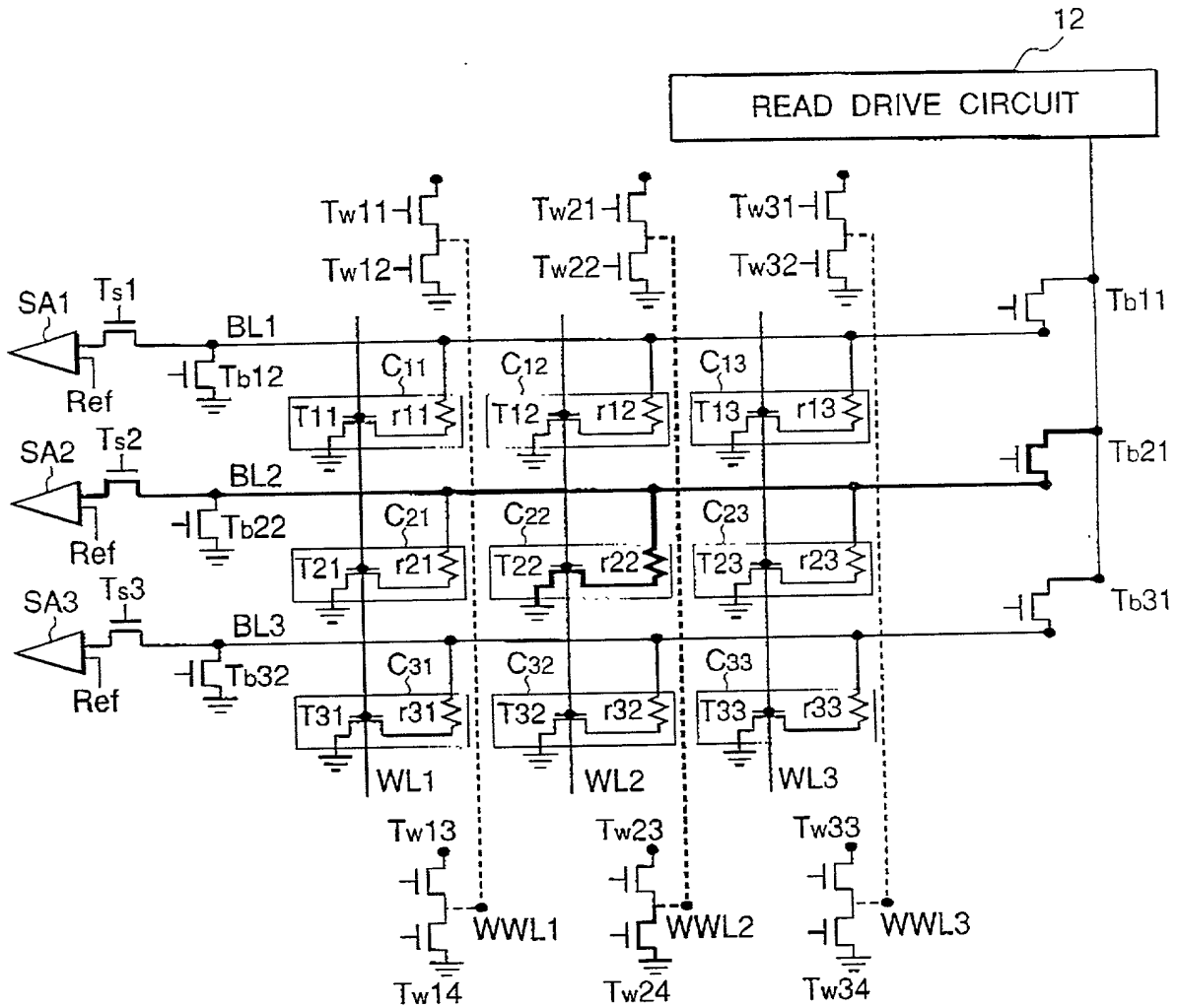
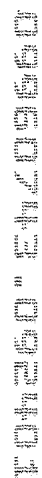
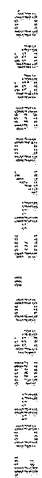
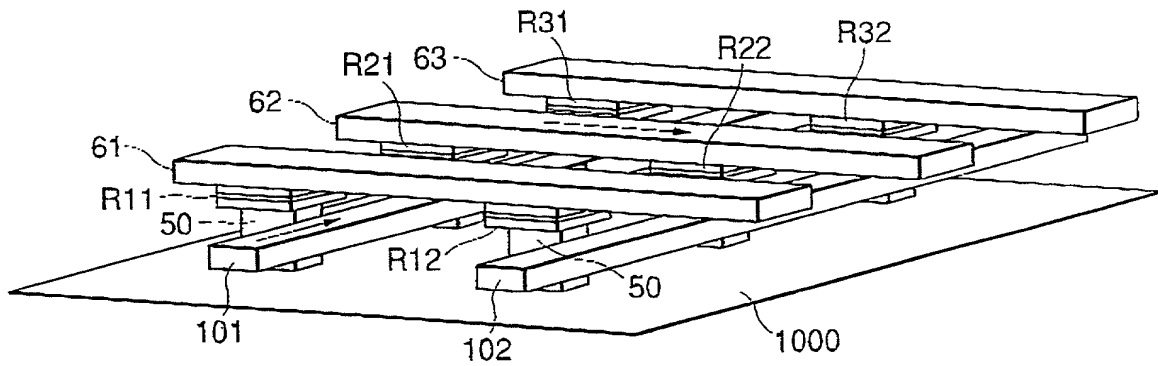


FIG. 18

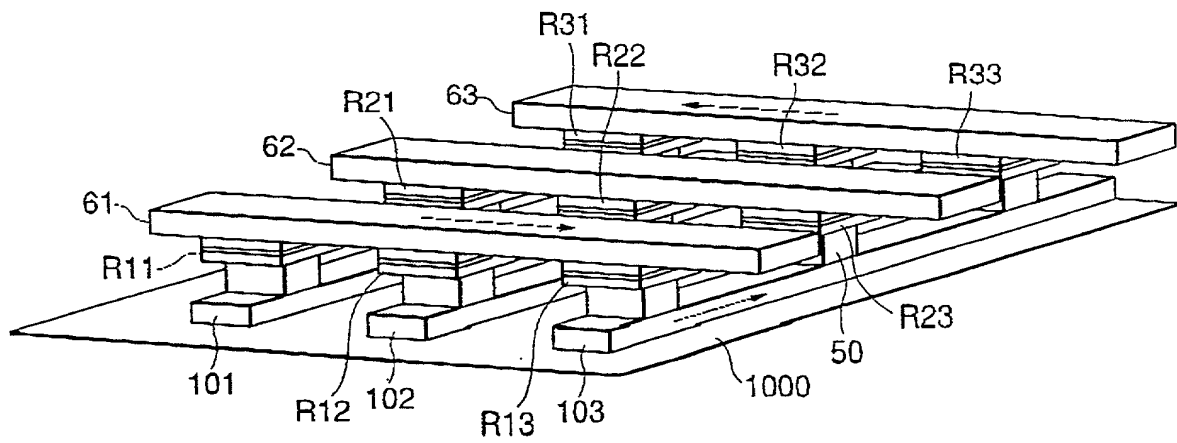


[illegible][illegible]

**FIG. 21**



**FIG. 22**



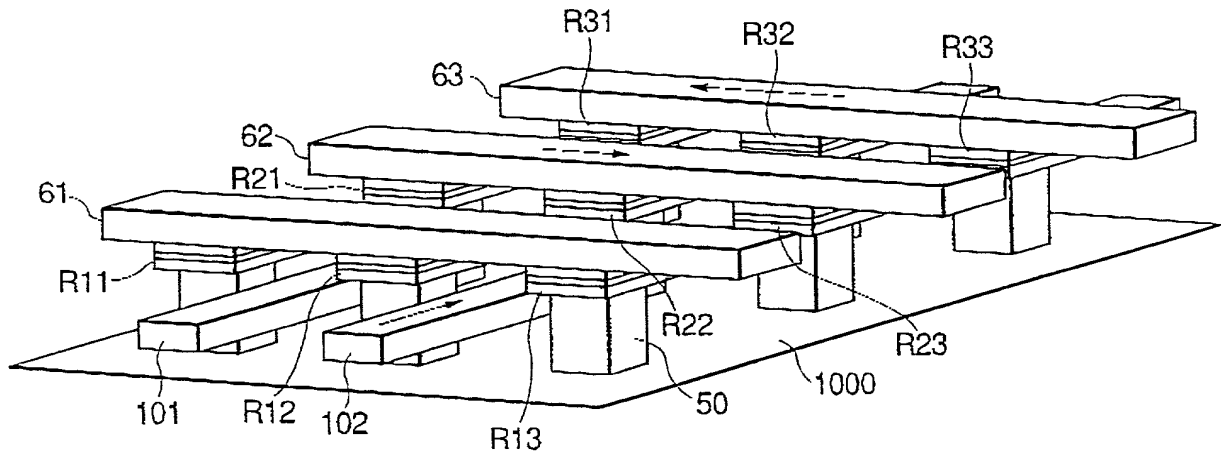
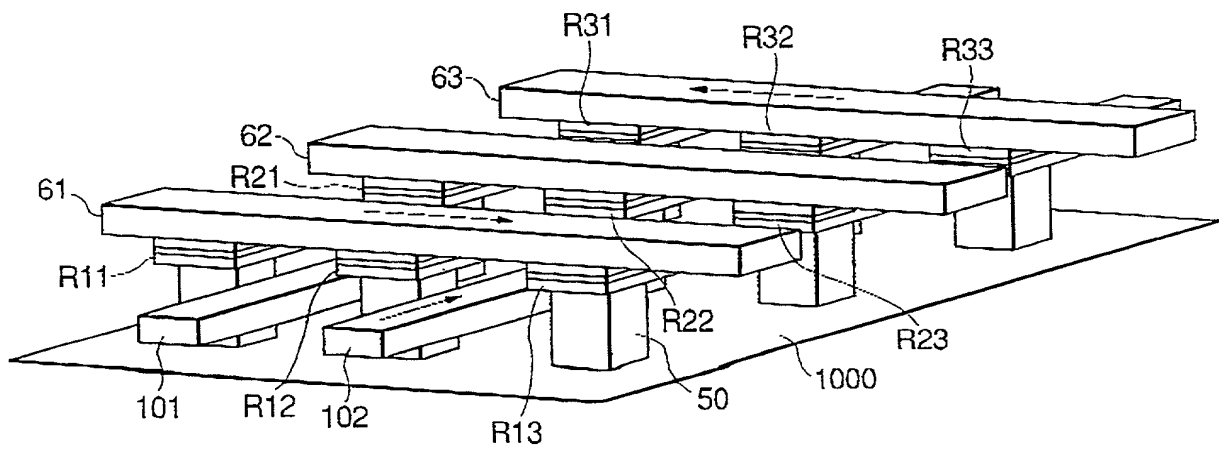
*FIG. 23**FIG. 24*

FIG. 25

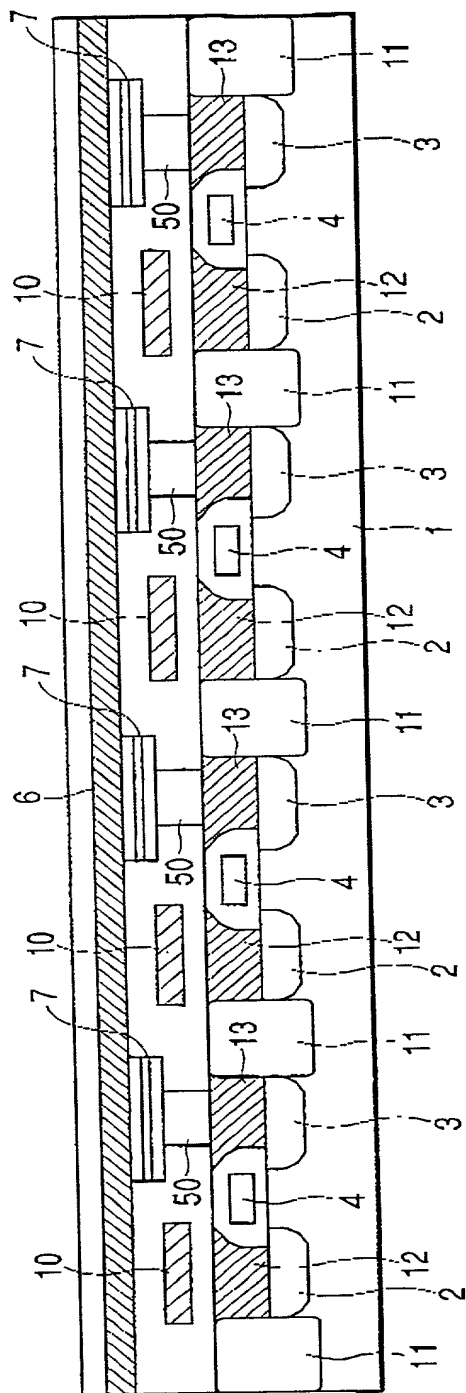


FIG. 26

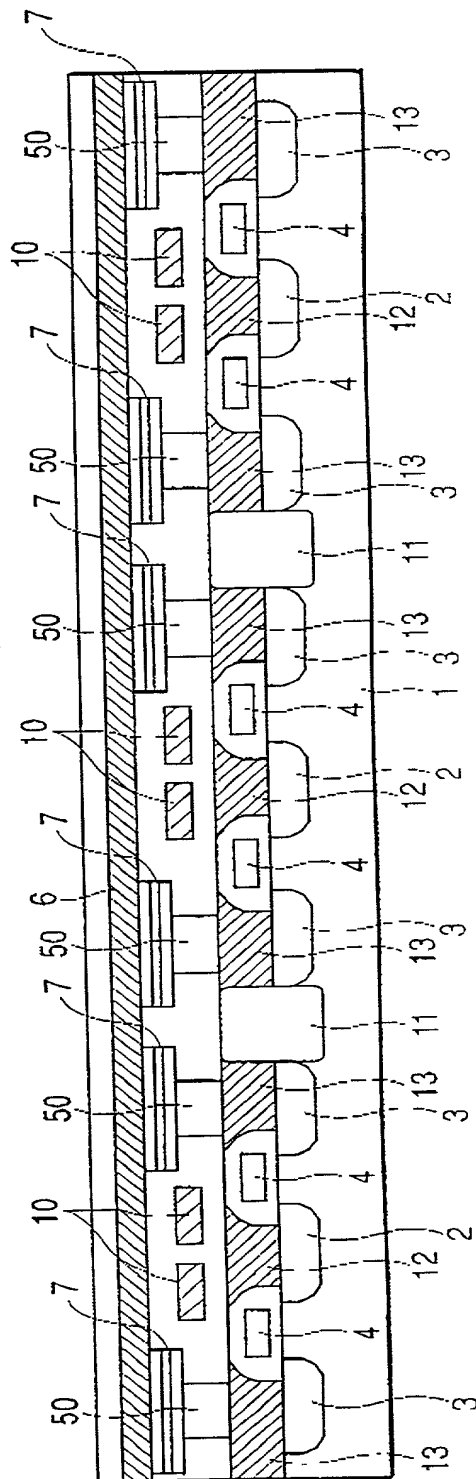


FIG. 27

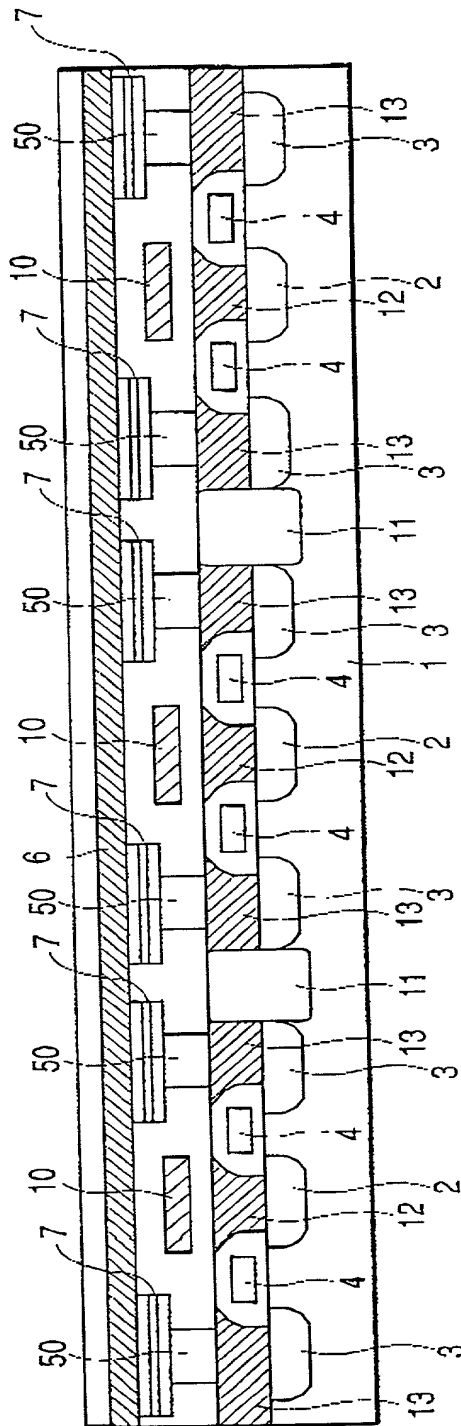




FIG. 28

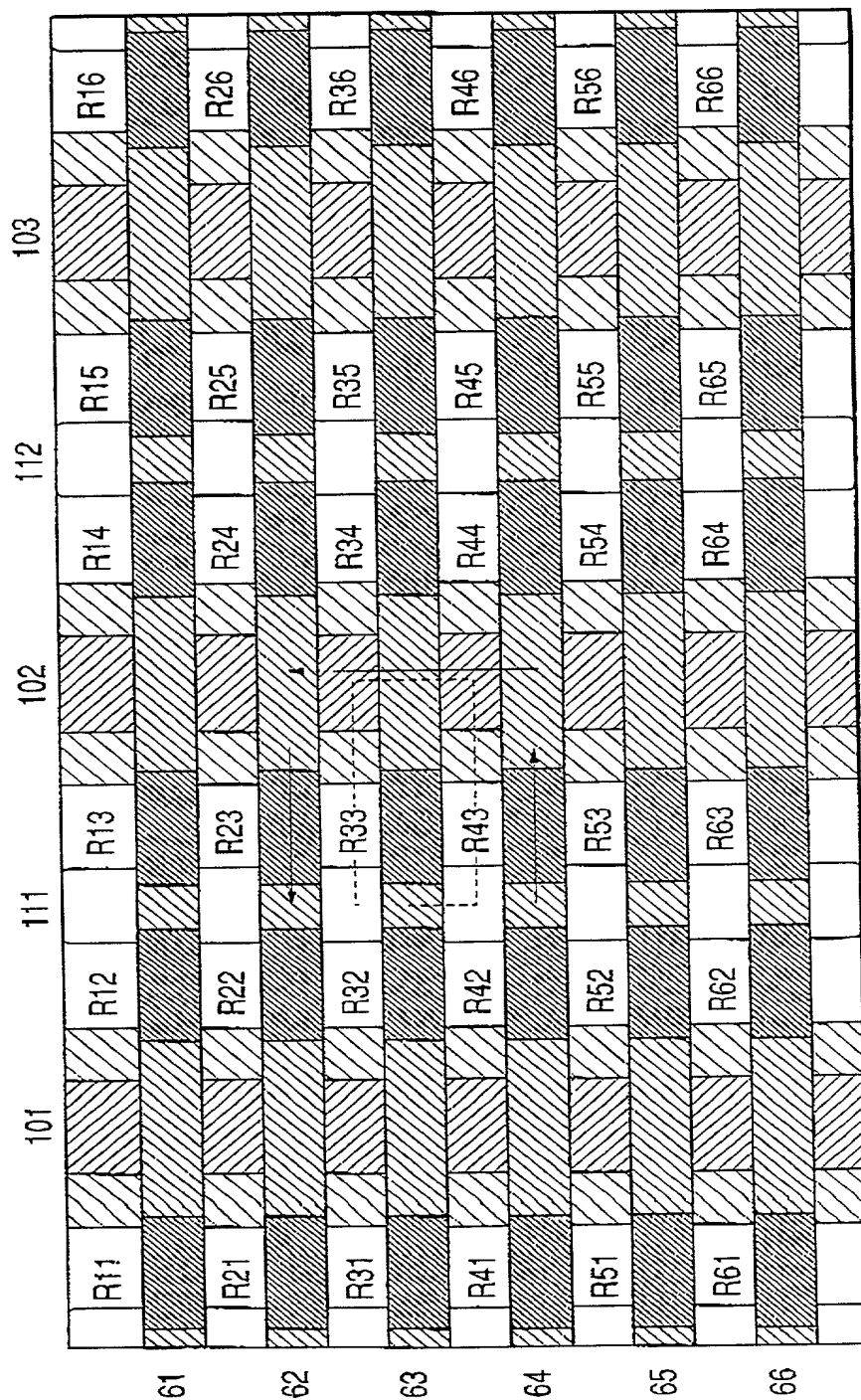


FIG. 29

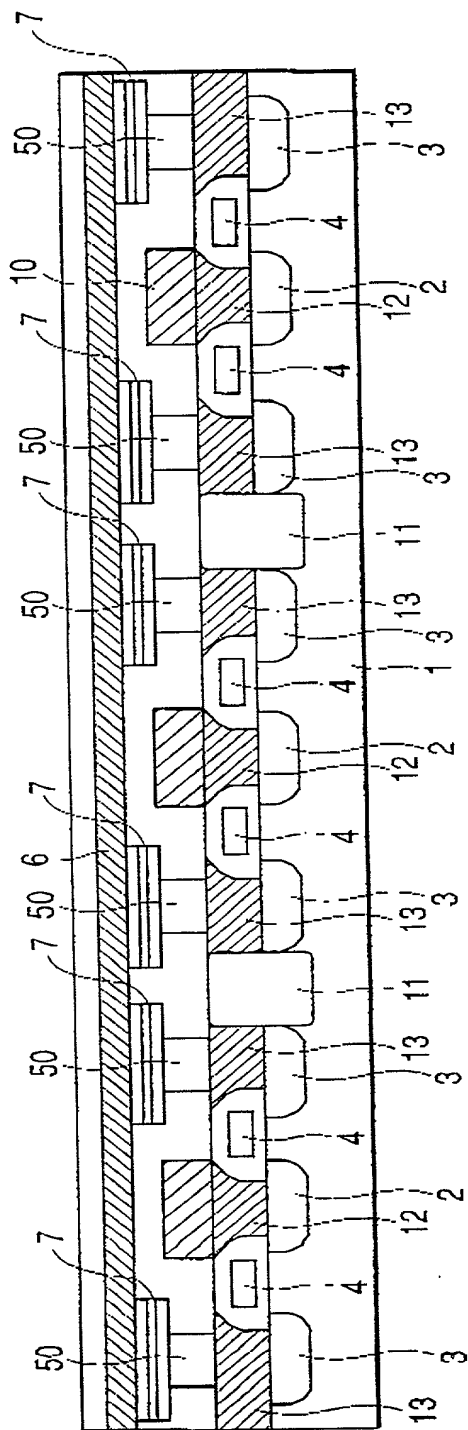
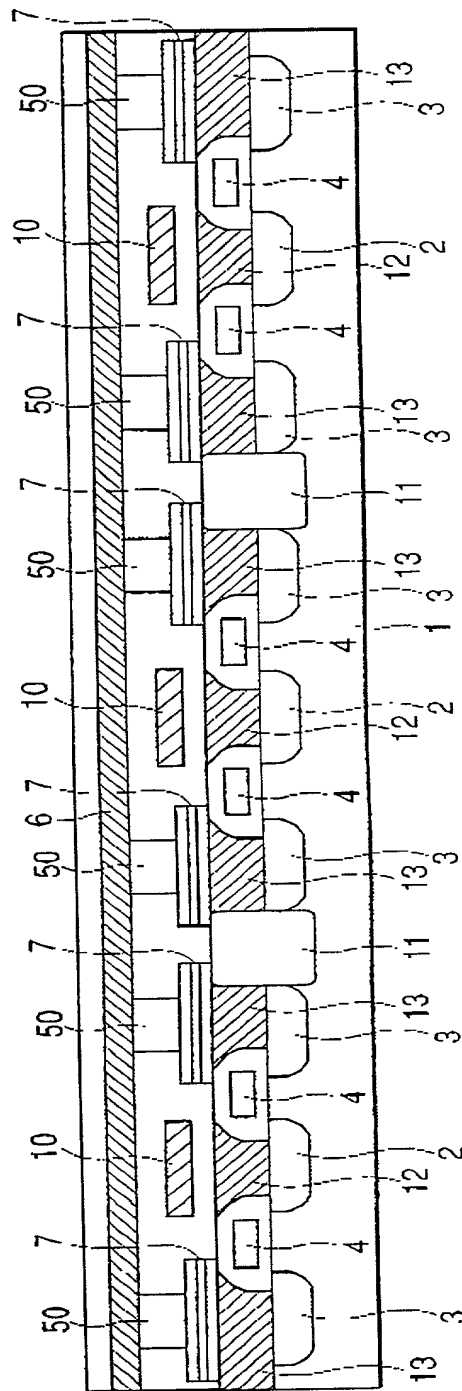


FIG. 30



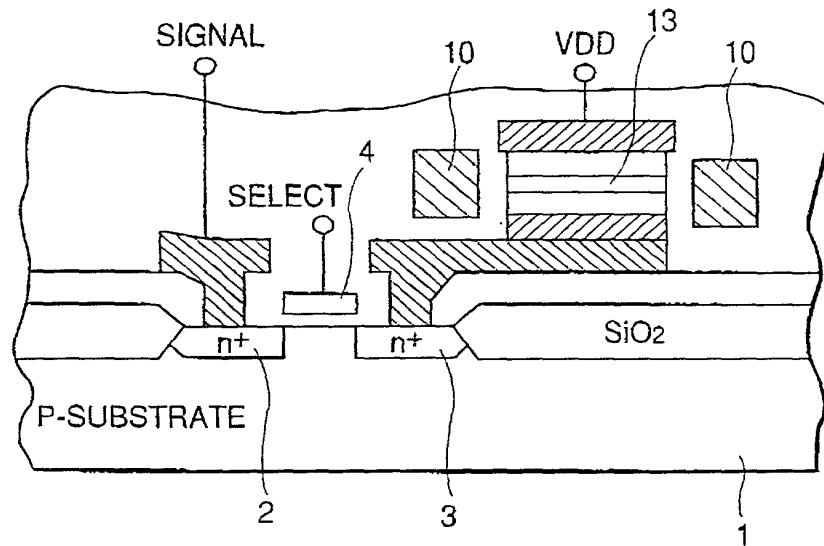
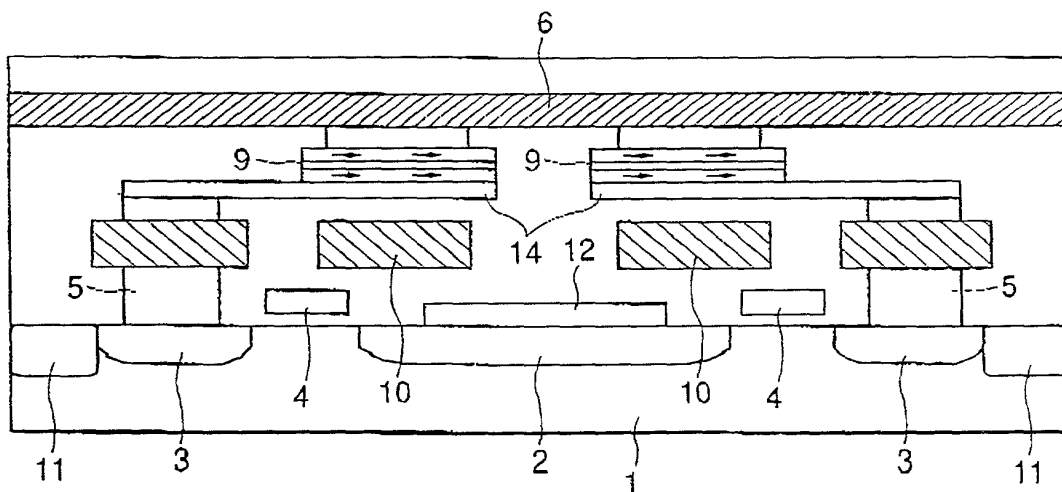
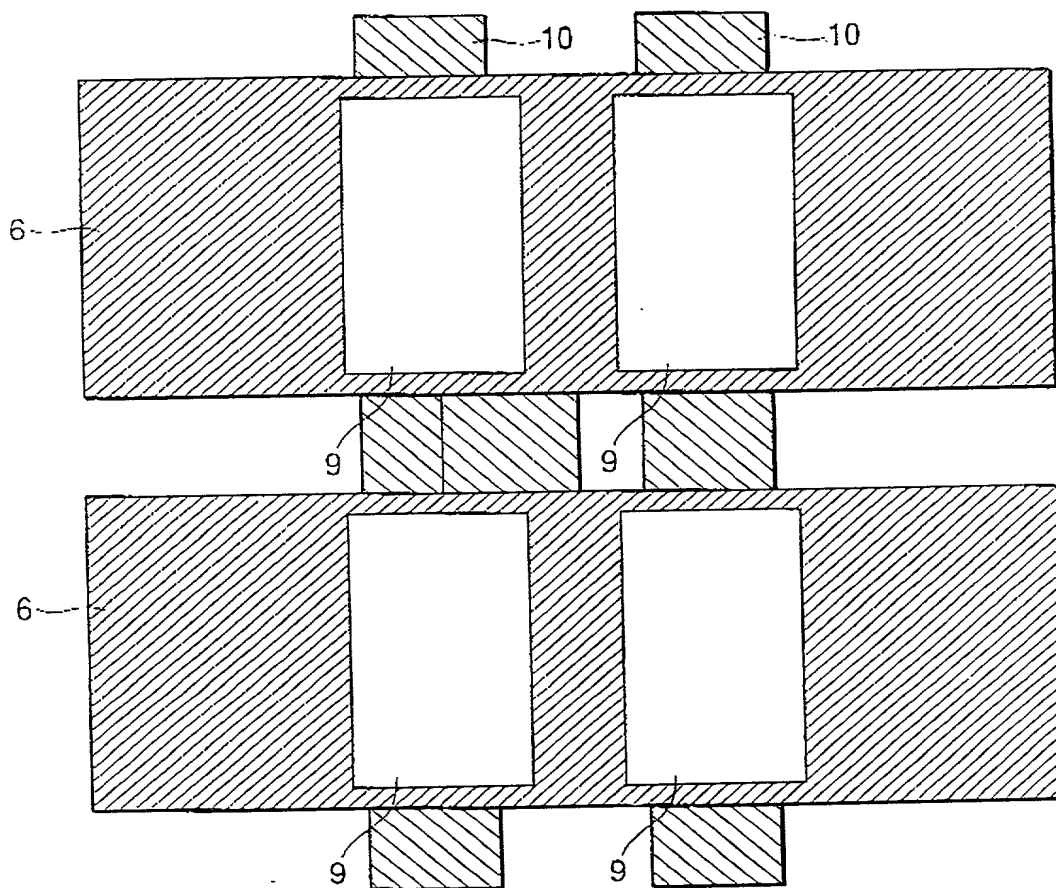
**FIG. 31****FIG. 32**

FIG. 33



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